Intel Application No
PCT/IB2004/052203

			PCT/1B2004/052203	
A. CLASSI IPC 7	FICATION OF SUBJECT MATTER B81B3/00			
		•		•
According to	o International Patent Classification (IPC) or to both national classific	ation and IPC		·
	SEARCHED			
IPC 7	cumentation searched (classification system followed by classificati $B81B  H01G$	ion symbols)		
Documental	ion searched other than minimum documentation to the extent that s	such documents are included	in the fields search	ed
	ata base consulted during the international search (name of data ba	se and, where practical, sea	rch terms used)	
EPO-In	ternal, INSPEC, PAJ, WPI Data			
C. DOCUME	NTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where appropriate, of the rele	evant passages		Relevant to claim No.
X	WO 03/055789 A (SONY CORPORATION; IKEDA, KOICHI; KINOSHITA, TAKASHI) 10 July 2003 (2003-07-10)			1,2,4,8,
P,X	figures 1,2,14 -& US 2004/077119 A1 (IKEDA KOICHI ET AL) 22 April 2004 (2004-04-22) paragraph [0026]; figures 1,2,14			1,2,4,8, 11
<b>X</b>	WO 03/078299 A (ECOLE POLYTECHNIC FEDERALE DE LAUSANNE; IONESCU, M ADRIAN ET AL) 25 September 2003 (2003-09-25) claims 1,2,13; figure 7 page 15, line 23 - page 17, line page 12, lines 31-34	ΪΗΑΙ,		1,2,4,8,
	****	- /		
		-/		
·				
X Furth	er documents are listed in the continuation of box C.	X Patent family mem	bers are listed in anr	nex.
"A" docume conside "E" earlier d filing de "L" docume which i citation "O" docume other n "P" docume later th	nt which may throw doubts on priority claim(s) or scited to establish the publication date of another or other special reason (as specified) nt referring to an oral disclosure, use, exhibition or neans nt published prior to the international filing date but an the priority date claimed	"T" later document publishe or priority date and not cited to understand the invention "X" document of particular r cannot be considered involve an inventive st "Y" document of particular r cannot be considered document is combined ments, such combinati in the art. "&" document member of the	in conflict with the a principle or theory elevance; the claimenovel or cannot be cleaned or the claimenovel or cannot be cleaned or the claime to involve an inventity with one or more ot on being obvious to e same patent family	application but underlying the dinvention onsidered to into the staken alone of invention for step when the her such docu- a person skilled
	ctual completion of the international search  5 February 2005	Date of mailing of the in 23/05/		гроп
	ailing address of the ISA	Authorized officer		
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016		Götz, A		

Inter Application No
PCT/IB2004/052203

	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	Dolour-th	
Category Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
X	FRITSCHI R ET AL: "A novel RF MEMS technological platform" IECON-2002. PROCEEDINGS OF THE 28TH. ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY. SEVILLA, SPAIN, NOV. 5 - 8, 2002, ANNUAL CONFERENCE OF THE IEEE INDUSTRIAL ELECTRONICS SOCIETY, NEW YORK, NY: IEEE, US, vol. Vol. 1 OF 4. CONF. 28, 5 November 2002 (2002-11-05), pages 3052-3056, XP010707678 ISBN: 0-7803-7474-6 page 3053, left-hand column; figure 1	1,2,4,8,	
x	CHANG C ET AL: "Innovative micromachined microwave switch with very low insertion loss" SENSORS AND ACTUATORS A, ELSEVIER SEQUOIA S.A., LAUSANNE, CH, vol. 79, no. 1, January 2000 (2000-01),	1,2,4,8,	
	pages 71-75, XP004185127 ISSN: 0924-4247 page 73, right-hand column; figures 3,4 page 74, left-hand column		
		·	

onal application No. PCT/IB2004/052203

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:  1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:  2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  3. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:  2. Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
2 Claims Nos
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
see additional sheet
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1,2,4,8,11
Remark on Protest The additional search fees were accompanied by the applicant's protest.
No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1,2,4,8,11

Method and device comprising a fluorine chemistry inert etch stop layer.

2. claim: 3

Integrated thin-film capacitor

3. claim: 5

Etching in CFy plasma

4. claims: 6,7

Etching of two sacrificial layers in one step

5. claims: 9,10

GroupIVn-oxide etch stop layer

Information on patent family members

Interr Application No
PCT/IB2004/052203

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 03055789	A 10-07-2003	JP 2003200395 A EP 1460036 A1 WO 03055789 A1 US 2004077119 A1 US 2005085000 A1	15-07-2003 22-09-2004 10-07-2003 22-04-2004 21-04-2005
US 2004077119	A1 22-04-2004	JP 2003200395 A EP 1460036 A1 WO 03055789 A1 US 2005085000 A1	15-07-2003 22-09-2004 10-07-2003 21-04-2005
WO 03078299	A 25-09-2003	AU 2002322966 A1 WO 03078299 A1	29-09-2003 25-09-2003